

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently amended) A picture system for ophthalmic operation comprising:
a near-infrared microscope for irradiating near-infrared [[ray]] rays emitted from a light source to an affected part through an objective lens, and transmitting near-infrared images formed by the objective lens to [[a]] first and [[a]] second ocular lenses;
an image acquisition apparatus for converting the near-infrared images transmitted to the first and the second ocular lenses into [[a]] first and [[a]] second electrical image signals for output, wherein the image acquisition apparatus is detachably combined with the first and the second ocular lenses;
a display apparatus for receiving the first and the second image signals, and outputting [[them]] the first and second image signals in three-dimensions, the display apparatus including a plurality of display units, wherein each of the display units receives and outputs the first and second electrical image signals; and
an image distributor for distributing and transmitting the first and the second electrical image signals from the image acquisition apparatus to the display units.
2. (Original) The picture system for ophthalmic operation according to claim 1, wherein the near-infrared microscope further comprises an image transmission unit for transmitting near-infrared images that are reflected by the affected part to the first and the second ocular lenses respectively through optical paths different from each other.

3. (Original) The picture system for ophthalmic operation according to claim 2, wherein the near-infrared microscope further comprises a near-infrared filter for passing only signals having wavelength in near-infrared region among the rays emitted from the light source.
4. (Original) The picture system for ophthalmic operation according to claim 3, wherein a visible light reflection filter for reflecting visible light is jointed at the front surface of the near-infrared filter.
5. (Original) The picture system for ophthalmic operation according to claim 3, wherein the near-infrared filter is provided in a filter selecting unit, and a plurality of transmission filters for each wavelength, including the near-infrared filter and the visible light filter, are provided in the filter selecting unit.
6. (Currently amended) The picture system for ophthalmic operation according to claim 2, wherein the near-infrared microscope further comprises an optical cable for transmitting near-infrared [[ray]] rays output from the light source, and a guide reflecting mirror for guiding the near-infrared [[ray]] rays transmitted by the optical cable to the objective lens.

7. (Currently amended) The picture system for ophthalmic operation according to claim 1, wherein the light source comprises a near-infrared LED, and the affected part is irradiated by near-infrared ~~[[ray]]~~ rays output from the near-infrared LED.
8. (Original) The picture system for ophthalmic operation according to claim 1, wherein the image acquisition apparatus comprises:
a body formed with a first and a second inserting grooves in which the first and the second ocular lenses are inserted and fixed;
sensors for sensing near-infrared images output from the first and the second ocular lenses and converting them into the first and the second image signals; and
relay lenses for transmitting near-infrared images output from the first and the second ocular lenses to the sensors.
9. (Original) The picture system for ophthalmic operation according to claim 8, wherein the sensors are charge-coupled devices (CCD).
10. (Cancelled)
11. (Currently amended) The picture system for ophthalmic operation according to claim ~~[[10]]~~ 1, wherein the display apparatus is a HMD (Head Mounted Display) or a three-dimensional monitor.

12. (Original) The picture system for ophthalmic operation according to claim 1, further including a control/storage apparatus for setting and controlling display environments of the display apparatus, and storing images displayed by the display apparatus.

13. (Original) The picture system for ophthalmic operation according to claim 12, wherein the control/storage apparatus creates database for retrieval and reproduction of the stored images.

14. (Cancelled)

15. (Currently amended) An image acquisition/output apparatus including a main body and a supporting member for supporting the main body, the main body ~~comprising~~ including:

an objective lens arranged opposite to an affected part;

a beam irradiation unit for irradiating the affected part with a beam having a predetermined wavelength bandwidth ~~to the affected part, wherein the beam irradiation unit includes at least two filters having different light sources and transmission~~ bandwidths;

an image acquisition unit for converting ~~[[the]]~~ images formed by the objective lens into electrical image signals and outputting ~~[[them]]~~ the electrical image signals;

an image transmission unit for transmitting the images formed by the objective lens to the image acquisition unit; and

an image distributor for distributing and transmitting the electrical image signals to a plurality of display units for displaying the electrical image signals in three-dimensions, wherein the beam irradiation unit includes at least two filters having different light sources and transmission bandwidths.

16. (Currently amended) The image acquisition/output apparatus according to claim 15, wherein the main body further includes ~~an image transmission unit for transmitting the images formed by the objective lens to the image acquisition unit, and a relay~~ [[lens]] lenses for connecting the image transmission unit to the image acquisition unit.

17. (Original) The image acquisition/output apparatus according to claim 15, wherein the beam irradiation unit includes a near-infrared filter for transmitting the wavelengths corresponding to near-infrared region only.

18. (Currently amended) The image acquisition output apparatus according to claim 17, wherein a visible light reflection filter for reflecting visible light is jointed at the front surface of the near-infrared filter.

19. (Currently amended) A picture system for ophthalmic operation comprising:
an objective lens arranged opposite to an affected part;
a beam irradiation unit for irradiating the affected part with a beam having a predetermined wavelength bandwidth, wherein the beam irradiation unit includes at least two filters having different light sources and transmission bandwidths;

an image acquisition unit for converting images formed by the objective lens into electrical image signals and outputting the electrical image signals;

an image transmission unit for transmitting the images formed by the objective lens to the image acquisition unit;

an image distributor for distributing and transmitting the electrical image signals to a plurality of display units for displaying the electrical image signals in three-dimensions;

~~an image acquisition/output apparatus according to claim 15; and~~

a display apparatus for outputting three-dimensional images using the electrical image signals outputted from the image acquisition unit ~~acquisition/output apparatus~~.

20. (Cancelled)

21. (Currently amended) A picture system for ophthalmic operation comprising:

a near-infrared microscope for irradiating near-infrared ray to an affected part by guiding it to an objective lens, and transmitting near-infrared images formed by the objective lens to [[a]] left and [[a]] right ocular lenses;

a beam splitter arranged between the objective lens and the left and the right ocular lenses for dividing the ~~left and the right~~ near-infrared images into left side and right side near-infrared images and for ~~respectively to transmit them to one side and the other side~~ transmitting the left side and the right side near-infrared images;

a first adaptor connected to one end of the beam splitter for receiving and outputting the left side near-infrared images;

a second adaptor connected to the other end of the beam splitter for receiving and outputting the right side near-infrared images;

a first image acquisition apparatus for outputting the left side near-infrared images output from the first adaptor as ~~electrical~~ left side electrical image signals;

a second image acquisition apparatus for outputting the right side near-infrared images output from the second adaptor as ~~electrical~~ right side electrical image signals;

[[and]]

a plurality of display apparatuses for receiving the left side and the right side electrical image signals and outputting [[them]] the left side and right side electrical image signals in three-dimensional images respectively, each of the display apparatuses receiving and outputting the left side and the right side electrical image signals; and

an image distributor for distributing and transmitting the left side electrical image signals and the right side electrical image signals from the first and the second image acquisition apparatuses to each of the display apparatuses.

22. (Currently amended) The picture system for ophthalmic operation according to claim 21, further comprising ~~an image distributor for distributing and transmitting the left side image data and the right side image data output from the first and the second image acquisition apparatuses to a plurality of the display units; and~~ a control/storage apparatus for setting and controlling display environments of the display apparatuses respectively, and storing images being displayed by the display ~~apparatus~~ apparatuses.